

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2000140688 A

(43) Date of publication of application: 23.05.00

(51) Int. Cl

**B03C 3/02**  
**A61L 9/20**  
**A61L 9/22**  
**B01D 53/86**  
**F24F 1/00**  
**F24F 3/16**  
**F24F 7/00**

(21) Application number: 10323247

(22) Date of filing: 13.11.98

(71) Applicant:

MATSUSHITA ELECTRIC IND CO LTD

(72) Inventor:

HATTORI AKIYOSHI  
HORI YOSHIHIRO  
YOSHIIKE NOBUYUKI

(54) AIR PURIFIER AND AIR CONDITIONING DEVICE

COPYRIGHT: (C)2000,JPO

(57) Abstract

**PROBLEM TO BE SOLVED:** To provide an air purifier capable of effectively, safely and regularly utilizing secondarily generated ozone.

**SOLUTION:** This air purifier is provided with an air fan 3 provided in an air passage 2, a dust collecting filter 1 provided at the suction side of the air fan 3, an electric discharge element 4 provided in the exhaust side of the duct collector 1, a dust collecting part 5 for electrically collecting dust or the like charged by the discharge element 4, an ultraviolet lamp 6 carrying a photodecomposition catalyst for decomposing ozone generated from the discharge element 4 and malodorous components in air and an ozone sensor 7 and a control circuit 8 for controlling the concentration of ozone passed through the ultraviolet lamp 6.

